

K882

Chemical Properties

CAS No. :

Formula: C18H16N2O2

Molecular Weight: 292.33

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	K882 (Compound 4e) is an Src inhibitor with a KD of 0.315 μ M. It induces apoptosis and inhibits XIAP and Survivin. Additionally, K882 blocks the activation of the PI3K/Akt/mTOR, Jak1/Stat3, and Ras/MAPK signaling pathways. K882 exhibits antitumor activity against non-small cell lung cancer.
Targets(IC50)	Apoptosis,Akt,STAT,IAP,JAK,mTOR,p38 MAPK,Src,Survivin,Ras,Kras
In vitro	K882 (0.5-8 μ M, 24-72 h) significantly inhibits the proliferation, migration, and invasion of NCI-H358 cells with the KRAS G12C mutation [1].
In vivo	Administered via intraperitoneal injection at a dosage of 25-100 mg/kg once daily for 31 days, K882 inhibits the growth of KRAS G12C mutant NSCLC xenograft tumors in the NCI-H358 xenograft mouse model [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4208 mL	17.104 mL	34.2079 mL
5 mM	0.6842 mL	3.4208 mL	6.8416 mL
10 mM	0.3421 mL	1.7104 mL	3.4208 mL
50 mM	0.0684 mL	0.3421 mL	0.6842 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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